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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Kn wn 09/757,202 Application Number January 9, 2001 Filing Date Robert J. Miller First Named Inventor 1623 Group Art Unit **Everett White Examiner Name**

(use as many sheets as necessary)

GC-10.6-CON Attorney Docket Number Sheet of

	U.S. PATENT DOCUMENTS					
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Examiner Initials *	Cite No.1	Number - Kind Code ² (if known)			Passages or Relevant Figures Appear	
War.	1	3,998,974	12/21/1976	Zaffaroni		
<i>A</i> .	2	4,343,736	8/10/1982	Uemura et al.		
91.	3	4,526,714	7/2/1985	Feijen et al.		
All	4	4,582,865	4/15/1986	Balazs et al.		
91	5	4,713,448	12/15/1987	Balazs et al.		
91/	6	4,774,093	9/27/1988	Provonchee et al.		
W.	7	4,810,784	3/7/1989	Larm		
1/	8	4,970,298	11/13/1990	Silver et al.		
W,	9	4,973,493	11/27/1990	Guire		
-7 /	10	5,128,326	7/7/1992	Balazs et al.		
91/	11	6,030,958	2/29/2000	Burns et al		

		FOREIGN PA	TENT DOCUM	MENTS		_
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [®]
All a	12	CA 2,022,091	2/2/1991	Prestwich		
2/	13	EP 0193 510	9/3/1986	Pharmacia AB		
al.	14	EP 0 224 987	6/10/1987	Biomatrix, Inc.		
"	15	EP 0 244 178	11/4/1987	IOLAB, Inc.		
-4	16	EP 0 291 177	11/17/1988	Biomatrix, Inc.		
9/	17	EP 0416 250	3/13/1991	The Res. Found. of SUNY		
W.	18	EP 0 705 878 A2	4/10/1996	Genzyme Corp.		
	19	EP 0 705 878 A3	10/16/1996	Genzyme Corp.		
-9/	20	GB 2 151 244	7/17/1985	Biomatrix, Inc.		
9/	21	WO 86/00079	1/3/1986	Pharmacia AB		
	22	WO 86/00912	2/13/1986	Pharmacia AB		
al	23	WO86/04355	7/31/86	Bio-Technology General Corp.		

Examiner Signature	E. White	Date Considered	5/12/03	
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INFOR	MATIO	N DISCL	.OSURE	Application Number	09/757,202		
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				Group Art Unit	1623	=	
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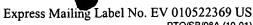
		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examine r Initials			Τ ²
#	24	HERMAN ET AL., "Heparin-modified polylactide as biodegradable hemcompatible biomaterial", J. of Mater. Sci., Materials in Medicine, 5:9, pp. 728-731 (1994)	
91	25	SPARER ET AL., Controlled Release from Glycosaminoglycan Drug Complexes, Controlled Release Delivery Systems, Chapter 6, pp. 107-119 (1983)	
9/	26	DANISHEFSKY ET AL., "Conversion of Carboxyl Groups of Mucopolysaccharides Into Amides of Amino Acid Esters", Carbohydrate Research, 16, pp. 199-205 (1971)	
4	27	LAURENT ET AL., "Cross-linked Gels of Hyaluronic Acid", Acta Chemica Scandinavia, 18:274-275 (1964)	
21	28	GOODMAN & GILMAN'S The Pharmacological Basis of Therapeutics, Gilman et al., eds., Pergamon Press, NY, p. 1313 (1990)	
g/	29	POUYANI ET AL., "Solid-State NMR of N-Acylureas Derived from the Reaction of Hyaluronic Acid with Isotopically-Labeled Carbodiimides," **JAmerican Chemical Society, 114: 5972-5976 (1992)	
W.	30	KUO ET AL., Chemical Modification of hyaluronic Acid by Carbodiimides, <i>Bioconjugate Chem.</i> , 2, pp. 232-241 (1991)	
9/	31	STAROS, J. V., "Membrane-Impermeant Cross-Linking Reagents: Probes of the Structure and Dynamics of Membrane Proteins", <i>Amer. Chem. Soc.</i> , 21:12, pp. 435-441 (19 4 8)	
8/	32	SILVERSTEIN ET AL., "Spectrometric Identification of Organic Compounds", pp. 122-124, J. Wiley & Sons, New York (1981)	
A	33	SHEEHAN ET AL., "Hyaluronic Acid: a Double-helical Structure in the Presence of Potassium at Low pH and Found also with the Cations Ammonium, Rubidium and Caseium", <i>J. Mol. Biol.</i> , 117, pp. 113-135 (1977)	
g/	34	DE TAR ET AL., Reactions of Carbodiimides. I. The Mechanisms of the Reactions of Acetic Acid with Dicyclohexylcarbodiimide, <i>J. of the Am. Chem. Society</i> , 88: 5, pp. 1013-1019 (1966)	
	1	1	

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	No.'	Number - Kind Code ² (if known)	MM-DD-YYYY		
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	1	US-			
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	FOREIGN PATENT DOCUMENTS					
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	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Date MM-DD-YYYY			T⁰
g/	35	WO 94/01468	1/20/94	M.U.R.S.T. Italian Ministry for Universities and Scientific and Technological Research		
A	36	WO 94/21299	9/29/1994	Medinvent		

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